



Blast Report



Job#	103-03-01462	Cust. PO#	N/A
Date	8/21/2024	Cust. Supt. Name	RON

Customer Name	D & M Civil Inc	Pick Tks#	34401	N/A
Job Address	Cell Signaling Site D & M Civil IncBy The Sea	N/A	N/A	N/A
		N/A	N/A	N/A

State	MA	Permit No.		Identify Hazards
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Pre Shift Insp.Time (24hrs) :	7:00:00 AM	FLY ROCK
		PROPERTY DAMAGE

Post Shift Insp.Time (24hrs):	3:00:00 PM
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Blaster :	Swaby;Hoip D	Precautions Taken:
License #:	007151	DOUBLE MAT & USE BLAST DESIGN

Signature:		MOVE ALL MOVEABLES
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Weather Comments:
PARTLY CLOUDY

No. of Crew Members	4		
Crew Members Names :			
DAVID S	MIKE C	BRUCE D	PAUL
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Seismograph Monitoring Plan (Not to Scale):



Shot # 17 Shot Time (24hrs) 10:33 Shot VideoTaped: Y

Weather

Notes:

SHOT #17

BLAST FOR WATER, SEWER, DRAIN, MANHOLE

Weather Conditions: Partly Cloudy

Temp (°F): 65-75

Wind Direction: North

Wind Spd: 1-5 MPH

Preblast

Blast Direction: North Max Holes/Delay: 2 Predicted K Factor: 242

Blast Location: DRAIN/WATER/SEWER/MANHOLE Slope: -1.6 Scale Dist.: 65.38

Location of Structure: MANCHESTER ATHLETIC CLUB Predicted Max Weigh/Delay: 64 Lbs Predicted PPV: 0.30

Measurement Google Map Dist. to Closest (Ft) 523 Structure 523 Railroad/Highway 745 Overhead Util 376 Underground Util 376

Pay Quantities

Pay Calculations Notes

Fire Detail # of Hrs: 8

Pay Square Area 2448 Feet

N/A N/A N/A

N/A N/A N/A

6 X 8 X 51 HOLES = 2448 SQ FT

Shot Info

Configuration

1 - Open

Total Drill Depth(Ft) 663.00 Total SqFt 2448.00 Avg Powder 1.51 Lbs/Cyd Total Product Weight (Lbs) : 1780

Total Tons N/A Total Yards 1178.67 Factor 0.66 Cyd/Lbs Avg Weight / Hole (Lbs): 34.90

Cal Method Pattern

Holes 51

Loaded Holes 51

Cover Used/No Blast 40

	AVG	Min	Max						
Drill Depth	<u>13</u>	<u>13</u>	<u>13</u>	Stone Weight	<u>N/A</u> /Cyd	Top Stemming	<u>6</u> Min	<u>7</u> Max	
Burden(Feet)	<u>6</u> Feet	<u>6</u>	<u>6</u>	Type of Terrain	<u>Flat</u>	Charges/Hole	<u>1</u> Min	<u>1</u> Max	
Spacing (Feet)	<u>8</u> Feet	<u>8</u>	<u>8</u>	Type of Rock	<u>Granite</u>	Deck Stemming	<u>0</u> Min	<u>0</u> Max	
Hole Diameter	<u>3.5</u>	<u>3.5</u>	<u>3.5</u>	Stemming Type	<u>3/8" Crushed Stone</u>	Charge Wgt/Deck	<u>32</u> Min	<u>37</u> Max	
OverBurden (Ft)	<u>1</u>	<u>0</u>	<u>4</u>	Height of Face	<u>0</u>	Depth of Water	<u>0</u> Min	<u>3</u> Max	

Control Row Taped Y

Angled Holes /Face Bermed N/Y

Laser/BoreTracking N

Total Pounds 1780.25 Lbs

Type Of Initiation: Non-Electric

Product #	Desc	Density	Wgt
QR743G	TITAN 1000 LD (G)	1.25	1742.00 Lbs
BA BULK Totals:		N/A	1742.00 Lbs

Product #	Desc	Qty	Wgt
SP0350	TROJAN SPARTAN 350G BOOSTER 49/CS	51	38.25 Lbs
BOOSTERS Totals:		51	38.25 Lbs

Product #	Desc	Qty	Length
DXABZ623	NONEL EZDET 25/350 24FT ZCOMP 60/CS	51	
DETS DHOLE Totals:		51	

Product #	Desc	Qty	Length
DJ25025	NONEL LEADLINE 2500FT/762M 2/CS	1	1000
LINES Totals:		1	

Product #	Desc	Qty	Length
DY17Z812ME	NONEL EZTL CPZ 17 MS 12FT 90/180/CS	12	
DY25Z812ME	NONEL EZTL CPZ 25 MS 12FT 90/180/CS	47	

SURF DELAY Totals: 59

Description: MAX/LBS

Elevation	Feet
Brench (ft)	N/A
Floor (ft)	N/A
Overburden (ft)	0
Sub Drilling(ft)	3
Total Depth (ft)	13.00

Stemming Stones	6
TITAN 1000 LD (G)	7
TROJAN SPARTAN 350G BOOSTER 49/CS	0
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	

Seismographs**Actual Max Weight/Delay:64****Lbs**

Operator Name	Location of Seis	GPS Location	Seis #	Monitor Log Status	Actual PPV	Actual PPV Freq,	Actual db	Actual Dist. (ft)	Actual K Factor
DAVID S	MANCHESTER ATHLETIC CLUB	42°35'30.75"N	10755	Triggered	0.195	56.9	128.0	523	157
DAVID S	1 BEAVER DAM RD	42°35'39.26"N	10289	Triggered	0.065	24.7	111.7	603	66
MARCUS K	27 MILL ST	42.592791 N	10883	Triggered	0.155	28.4	101.9	1021	363
MARCUS K	MEDICAL BUILDING	42.590592 N	10260	Triggered	0.055	28.4	117.8	858	97

Shot # 18 Shot Time (24hrs) 13:14 Shot VideoTaped: Y

Weather

Notes:

SHOT #18
BLAST FOR WATER, SEWER, DRAIN, MANHOLE

Weather Conditions: Partly Cloudy

Temp (°F): 65-75

Wind Direction: North

Wind Spd: 1-5 MPH

Preblast

Blast Direction: North Max Holes/Delay: 2 Predicted K Factor: 242

Blast Location: DRAIN/SEWER/WATER/MANHOLE Slope: -1.6 Scale Dist.: 71.83

Location of Structure: 1 BEAVER DAM RD Predicted Max Weigh/Delay: 52 Lbs Predicted PPV: 0.26

Measurement Google Map Dist. to Closest (Ft) 518 Structure 518 Railroad/Highway 774 Overhead Util 307 Underground Util 307

Pay Quantities

Pay Calculations Notes

Fire Detail # of Hrs: 8

Pay Square Area 2112 Feet

N/A N/A N/A

N/A N/A N/A

6 X 8 X 44 HOLES = 2112 SQ FT

Shot Info

Configuration

1 - Open

Total Drill Depth(Ft) 572.00 Total SqFt 2112.00 Avg Powder 1.43 Lbs/Cyd Total Product Weight (Lbs) : 1453

Total Tons N/A Total Yards 1016.89 Factor 0.70 Cyd/Lbs Avg Weight / Hole (Lbs): 33.02

Cal Method Pattern

Holes 44

Loaded Holes 44

Cover Used/No Blast 36

AVG

Min Max

Drill Depth 13

13 13

Stone Weight N/A /Cyd

Top Stemming 6 Min 8 Max

Burden(Feet) 6 Feet

6 6

Type of Terrain Flat

Charges/Hole 1 Min 1 Max

Spacing (Feet) 8 Feet

8 8

Type of Rock Granite

Deck Stemming 0 Min 0 Max

Hole Diameter 3.5

3.5 3.5

Stemming Type 3/8" Crushed Stone

Charge Wgt/Deck 26 Min 37 Max

OverBurden (Ft) 1

0 4

Height of Face 0

Depth of Water 0 Min 3 Max

Control Row Taped Y

Angled Holes /Face Bermed N/Y

Laser/BoreTracking N

Total Pounds 1453.25 Lbs

Type Of Initiation: Non-Electric

Product #	Desc	Density	Wgt
QR743G	TITAN 1000 LD (G)	1.25	1418.00 Lbs
BA BULK Totals:		N/A	1418.00 Lbs

Product #	Desc	Qty	Wgt
SP0350	TROJAN SPARTAN 350G BOOSTER 49/CS	47	35.25 Lbs
BOOSTERS Totals:		47	35.25 Lbs

Product #	Desc	Qty	Length
DXABZ623	NONEL EZDET 25/350 24FT ZCOMP 60/CS	47	
DETS DHOLE Totals:		47	

Product #	Desc	Qty	Length
DJ25025	NONEL LEADLINE 2500FT/762M 2/CS	1	1000
LINES Totals:		1	

Product #	Desc	Qty	Length
DY17Z812ME	NONEL EZTL CPZ 17 MS 12FT 90/180/CS	13	
DY25Z812ME	NONEL EZTL CPZ 25 MS 12FT 90/180/CS	38	
SURF DELAY Totals:		51	

Description: MAX/LBS

Elevation	Feet
Brench (ft)	N/A
Floor (ft)	N/A
Overburden (ft)	0
Sub Drilling(ft)	3
Total Depth (ft)	13.00

Stemming Stones	6
TITAN 1000 LD (G)	7
TROJAN SPARTAN 350G BOOSTER 49/CS	0
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	

Seismographs**Actual Max Weight/Delay:52****Lbs**

Operator Name	Location of Seis	GPS Location	Seis #	Monitor Log Status	Actual PPV	Actual PPV Freq,	Actual db	Actual Dist. (ft)	Actual K Factor
DAVID S	1 BEAVER DAM RD	42°35'39.26"N	10755	Threshold Not Met	N/A	N/A	N/A	518	N/A
DAVID S	MANCHESTER ATHLETIC CLUB	42°35'30.75"N	10289	Triggered	0.076	42.7	123.7	643	100
MARCUS K	27 MILL ST	42.592791 N	10883	Triggered	0.070	30.1	106.6	1032	197
MARCUS K	MEDICAL BUILDING	42.590592 N	10260	Threshold Not Met	N/A	N/A	N/A	942	N/A